| Ind | ex of | Claims |  |
|-----|-------|--------|--|
|     |       |        |  |
|     |       |        |  |
|     |       |        |  |

Application No.

O9/963,270

Examiner

Andre R. Fowlkes

Applicant(s)

KARP ET AL.

Art Unit

2122

✓ Rejected
= Allowed

- (Through numeral)
Cancelled
+ Restricted

N Non-Elected
I Interference

A Appeal O Objected

| Cla   | aim      | Date         |         |     |      |             |    | ١.           | Cla  | aim      | Date          |  |             |          |          |          |          |          |  |  | CI       | aim  | Date     |          |     |           |            |          |          |                 | ╝            |          |               |          |           |                |
|---|----------|--------------|---------|-----|------|-------------|----|--------------|------|----------|---------------|--|-------------|----------|----------|----------|----------|----------|--|--|----------|--|----------|----------|-----|-----------|------------|----------|----------|-----------------|--------------|----------|---------------|----------|-----------|----------------|
| Final   | Original | 7/2/04       | 10/1    | Į   | 2/07 |             |    |              |      | T        |               |  |             | Final    | Original |          |          |          |  |  |          |  |          |          |     | Final     | Original   |          |          |                 |              |          |               |          |           |                |
| Œ   | ō        | 12           | 30/11/6 | 9/6 | 00   |             |    |              |      |          |               |  | · ·         | L        |          |          |          |          |  |  |          |  |          |          |     | u.        |            |          |          |                 |              |          |               |          |           |                |
|   | 1        | ₹.           | V       | Ī   |      | V           |    | L            | Ι    | $\Box$   |               |  | ]           |          | 51       |          |          |          | _  | _  | _        |  |          |          |     |           | 101        |          |          | Ш               | $\Box$       |          | _             | $\dashv$ |           | _              |
|   | 2        | 1            | 4       | Ц   | Ц    | Ц           | _  | 1_           | 4    | _        |               | L                                      | 1           |          | 52       | H        |          | Щ        |  | -  | -        |  | 1        | _        | . ] |           | 102        | _        | _        | Н               | $\dashv$     | _        | -             | ⊢        | 4         | 긕              |
|   | 3        | 1            | Ш       | Ц   | Ц    | L           | L  | Ļ            | 4    | 4        | _             | L                                      | 1           | <u> </u> | 53       | Ш        | _        | ш        | -  | -  |          | -  |          | Н        | • ] |           | 103        | Н        | 4        | $\vdash \vdash$ | ⊢            | 4        | $\dashv$      | $\dashv$ | -         |                |
|   | 4        | 1            | Щ       | Н   | Ц    | Ļ           | L  | ╄            | 4    | 4        | _             | L                                      | ١.          | <b> </b> | 54       | Н        | Н        | _        | $\dashv$   |  | -1       |  | {        | -        |     |           | 104<br>105 |          | _        | $\vdash$        | , <b>-</b>   | _        | Н             | $\vdash$ | $\dashv$  | $\dashv$       |
|   | 5        | 1            |         | H   | H    | ╀           | ┡  | ╀            | ÷    | +        | _             | H                                      | ł           | $\vdash$ | 55<br>56 | Н        |          | Н        |  | ᅱ  | -        | ┥  |          | Н        |     | •         | 105        | $\dashv$ | -        | ┝╾┥             | -1           | $\dashv$ | $\dashv$      | $\vdash$ | -         | $\dashv$       |
| <u> </u>  | 6        | 1            | H       | ╀   | Н    | ╀           | -  | ╀            | +    | 4        | _             | ⊢                                      | ┨           | -        | 57       | Н        | -        | -        | $\dashv$   | ᅱ  | ⊣        | ┪  | -        |          |     |           | 107        | Н        | -        | Н               | Н            |          | $\dashv$      | $\vdash$ | $\dashv$  | $\dashv$       |
|   | 7        | 1            | 1       | K   |      | Ļ           | -  | ╁            | +    | $\dashv$ | 4             | ┝                                      | 1           |          | 58       | Н        |          | Н        | $\vdash$   | $\dashv$   | -        | $\dashv$   | -        | _        |     |           | 108        | -        |          | H               | М            | $\dashv$ | Н             | 一        | $\neg$    | $\dashv$       |
| -   | -        | Ť            | H       | ť   | Ⅎ    | v           | -  | ╁            | ╅    | +        | -             | -                                      | 1           | $\vdash$ | 59       | H        | _        | Н        |  | -  | ᅥ        | _  | $\neg$   | -        |     |           | 109        |          |          | П               | П            |          | $\overline{}$ | П        | $\dashv$  | $\dashv$       |
| -   | 10       | 1            | Ŧ       | Ī   | 7    | 7           | ┢  | t            | +    | ┪        |               | -                                      | 1           | <u> </u> | 60       | Н        |          | Н        |  |  | ┪        | 7  |          |          |     |           | 110        |          | _        | П               |              | _        |               | П        | $\neg$    | П              |
|   | 111      | 1            | H       | ť   | _    | Ť           | ┢  | ╁            | +    | 7        |               | Н                                      | 1           | $\vdash$ | 61       |          |          | Н        | П  |  | コ        | 7  |          |          |     |           | 111        |          |          |                 |              |          |               | П        | $\Box$    |                |
| -   | 12       | V            | Ħ       | t   | H    | t           | m  | †            | †    | ┪        | _             | Τ                                      | 1           |          | 62       |          |          | П        |  |  | ヿ        |  |          |          |     |           | 112        |          |          |                 |              |          |               |          |           |                |
|   | 13       | 1            | Ħ       | Ħ   | H    | t           | Г  | T            | 7    | ヿ        |               | Г                                      | 1           |          | 63       |          |          |          |  |  |          |  |          |          | 1   |           | 113        |          |          |                 |              |          |               |          |           |                |
|   | 14       | 1            | П       | T   | П    | T           | Г  | Τ            | T    | $\Box$   |               | Г                                      | ].          |          | 64       |          |          |          |  |  |          |  |          |          |     |           | 114        | L        | _        |                 | Ш            |          | Щ             | Ш        | Ш         | Li             |
|   | 15       | 1            | П       | Ι   |      | Ι           |    | Ι            | I    |          |               |  | ]           |          | 65       | Ш        |          |          | Щ  |  | _        | _  |          | L        |     | <u> </u>  | 115        | _        |          | Ш               | Ш            | L        | L.,           | Ш        | Ш         | Ы              |
|   | 16       |              | П       |     | Ц    | L           | L  | L            | 1    | _        |               | <u> </u>                               |             | ļ        | 66       |          | _        | _        | Ш  |  | _        | _  |          | _        | •   |           | 116        | <b></b>  |          | H               | <b></b> -    | _        | _             | Н        | Н         |                |
| Ŀ   | 17       | L            | Ц       | l   | Ц    | L           | _  | Ļ            | 4    | _        | _             | _                                      | 1           | -        | 67       | _        | <u> </u> |          | _  |  | _        |  | _        |          |     | <u> </u>  | 117<br>118 | ├-       | _        | H               | _            | $\vdash$ | Н             | $\vdash$ |           | Н              |
| $ldsymbol{le}}}}}}$ | 18       | <u> </u>     | Ц       | 1   | Ц    | L           | L  | 1            | 4    | 4        | _             | ┞                                      | 4           | <u> </u> | 68       | H        | _        | _        | $\vdash$   |  |          | -  | Н        | -        |     | ┝         | 119        | ⊢        | -        | Н               | ├            | Н        | -             |          | Н         | Н              |
| <u> </u>  | 19       | ₽            | Ц       | 4   | H    | ╀           | ┡  | ╄            | 4    | 4        |               | H                                      | ┨.          | $\vdash$ | 69       | H        | ┝        | ╀        | ┝  | $\vdash$   | Н        | -  | -        | -        |     |           | 120        | ├-       | -        | -               | -            | -        |               | Н        | Н         | Н              |
| <u></u>   | 20       | ↓_           | Н       | +   | H    | ╀           | ┡- | ╀            | 4    | 4        | _             | ├-                                     |             |          | 70<br>71 | -        | ┝        | ⊢        | -  | Н  | Н        | _  | -        | ┝        |     |           | 121        | ┢╾       | ┢        | H               | H            | ┢        |               | Н        | $\vdash$  | Н              |
|   | 21       | ╀            | H       | +   | H    | ╀           | ╄  | ╀            | 4    |          | _             | -                                      | ┨           | -        | 72       | ╁╌       | ┝        | ⊢        | $\vdash$   | -  | Н        | _  | -        | $\vdash$ |     | ┝┈        | 122        | ╁╴       | ┝        | Н               | $\vdash$     | -        | H             | Н        | М         | Н              |
|   | 22       | ╁╾           | Н       | 乜   | y    | $^{\wedge}$ | ╁  | ╁            | ┽    | ᅱ        | -             | ╁╌                                     | ┨∶          | -        | 73       | ╁╌       | ⊢        | ⊢        | -  | _  | Н        |  | Н        | -        |     | ├         | 123        | $\vdash$ | -        | Н               | Г            | Н        | _             | Н        | П         | П              |
| -   | 24       | ╁            | ¥       | 4   | 4    | Y           | ┢  | ╁            | +    | -        |               | ╁                                      | ┨-          | -        | 74       | ╁╌       | ┢        | 一        | Н  | Н  | Н        | _  |          | Т        | l ' | $\vdash$  | 124        | !-       |          | П               | Г            | Г        | Г             | П        | П         |                |
| $\vdash$  | 25       | ╁            | ╁       | +   | ┪    | _           | t  | ╈            | +    | $\dashv$ | _             | ┢                                      | 1           |          | 75       |          | ┢        | T        | <u> </u>   |  |          |  | П        | Г        | ί.  |           | 125        |          |          | Г               |              |          |               |          |           |                |
| $\vdash$  | 26       | T            | t       | t   | ┪    |             | Г  | T            | 7    |          |               | Τ                                      | 1           |          | 76       | Т        |          |          |  |  |          |  |          |          | :   |           | 126        |          |          |                 |              |          |               |          | $\square$ |                |
| $\vdash$  | 27       | 1            | T       | Ť   | ٦    |             | Т  | T            | 1    |          |               |  | ].          |          | 77       |          |          | $\Box$   |  |  |          |  |          |          | }   |           | 127        |          | L        |                 | L            | <u>L</u> | L             | Ш        |           | Ш              |
|   | 28       | Т            | Т       | T   | _    |             |    | Τ            |      |          |               |  | ]           |          | 78       |          |          | L        |  |  |          |  |          | L        | Į   | <u> </u>  | 128        | <u> </u> | ᆫ        | <u> </u>        | ╙            | L        | ᆫ             | Ш        | ш         |                |
|   | 29       |              | L       | I   |      |             | L  | L            |      |          | L             | L                                      | <b>-</b>  . | <u></u>  | 79       | Ļ.       | L        | ļ.,      | Ш  | Щ  | ш        | _  |          | <u> </u> | Į:  |           | 129        | ┞-       | ┡        | $\vdash$        | ⊢            | ┡        | <u> </u>      | H        | $\vdash$  | $\vdash$       |
|   | 30       | $\Gamma$     | L       | 1   | ┙    | _           | L  | L            | 4    | _        | <u> </u>      | L                                      | 1           |          | 80       | ļ_       | L        | <u> </u> | <u> </u>   | _  | Ш        |  | _        | L        | ł   | <u> </u>  | 130        | ⊢        | ⊢        | ⊢               | ⊢            | ⊢        |               | H        | $\vdash$  | Н              |
| _   | 31       | <del> </del> | Ļ.      | 4   |      | _           | L  | 1            | 4    | 4        | <u> </u>      | 1-                                     | 1           | $\vdash$ | 81       | ⊢        | ⊢        | -        | L  | _  | Н        | _  | ┝        | ┝        | ł   |           | 131<br>132 | ├        | ┝        | ⊢               | ├-           | ├        | -             | H        | $\vdash$  | Н              |
| <u>_</u>  | 32       | ↓_           | Ļ       | 4   | 4    |             | Ļ  | +            | 4    | 4        | H             | ╄                                      | 4           | -        | 82       | ╀        | ┝        | ├        |  | Н  | $\vdash$ |  | ├─       | ⊢        | 1   | <u> </u>  | 133        | ⊢        | ⊢        | ⊢               | ┢╾           | ├        | ┢             | $\vdash$ | H         | H              |
| $\vdash$  | 33       | ╁            | ╀       | +   | _    | _           | ╀  | ╀            | 4    | $\dashv$ | <u> </u>      | ╀                                      | 1           | $\vdash$ | 83<br>84 | ₩        | $\vdash$ | -        | ⊢  | ⊢  | -        | _  |          | Н        | 1   | ├         | 134        | ╁╴       | $\vdash$ | ╆╌              | -            | H        | ┢             | H        | H         | -              |
| $\vdash$  | 34       | ╀            | ╀       | ╁   | 4    | _           | ╀  | ╁            | +    | $\dashv$ | -             | ╀                                      | ┨           | -        | 85       | ╁╌       | -        | ┢        | ⊢  | ⊢  | H        | _  | -        | -        | { · |           | 135        | ┢╾       | Н        | ✝               | $\vdash$     | -        | ┢             | М        |           |                |
| -   | 36       | ╀            | ╁╴      | +   | -    |             | ╁  | ╁            | ┪    | ᅱ        | -             | ╁╌                                     | 1           | -        | 86       | ╁╌       | ┢        | ┢        | -  | $\vdash$   | Н        | _  | Н        | Т        | 1 . | <b></b> - | 136        | ⇈        |          | ⇈               |              | Т        | Г             | П        |           | П              |
| -   | 37       | ╁╴           | ╁       | +   | -    |             | t  | t            | +    | $\dashv$ | ┢             | ╁                                      | 1           |          | 87       | 1        | T        | 1        | <del>                                     </del> |  | П        |  |          | _        | 1   |           | 137        | Г        |          | Π               |              |          |               |          |           |                |
| $\vdash$  | 38       | 十            | +       | t   | ۲    | _           | t  | t            | 7    | ᅥ        |               | t                                      | 1           | -        | 88       | 1        | Т        | Т        | T  |  |          |  |          |          | 1   |           | 138        |          |          |                 | $\Box$       |          |               |          |           | $\Box$         |
| $\vdash$  | 39       | t            | t       | t   | 7    | _           | t  | t            | 7    | ᅥ        | $\overline{}$ | t                                      | 1           |          | 89       |          | Γ        |          |  |  |          |  |          |          | ]   |           | 139        | Γ        |          | $\Box$          | $\Box$       |          | 匚             | $\Box$   |           |                |
|   | 40       | T            | T       | †   | ┪    |             | 1  | Ť            | 7    |          |               | Γ                                      | ]           |          | 90       | L        |          | Γ        | $\Gamma$   |  |          |  |          | L        | 1   |           | 140        |          | Ĺ        | 1               | $\perp$      | Ĺ        | L             | <u> </u> | $\vdash$  | L_             |
|   | 41       | I            | Ī       | Ī   |      |             |    | Ī            |      |          |               | Γ                                      | ]           |          | 91       | L        | L        | L        | $\Box$   | Ĺ  |          |  | Ľ        | سَا      | 1   | <u> </u>  | 141        | <u> </u> | L        | 1               | ـ            | L        | <u> </u>      | ╙        | $\vdash$  | <b>-</b>       |
|   | 42       | Γ            | Γ       | Ι   |      |             | Ľ  | I            | I    |          |               | L                                      | ]           |          | 92       | $\vdash$ | L        | L        | <u> </u>   | L  | L        | Щ  | L        | L        | 1.  |           | 142        |          | <u> </u> | ₩               | <b>├</b>     | ┞        | -             |          | ⊢         | <del>  _</del> |
|   | 43       |              | L       | I   |      |             | L  | $\downarrow$ | Ц    | _]       | <u> </u>      | L                                      | 1           | <b>—</b> | 93       | ╄        | ╙        | Ļ        | ┡  | ┡  | L        | _  | <u> </u> | L        | ١.  | <u> </u>  | 143        | ┰        | -        | ₩               | ⊬            | ⊢        | ⊢             | ⊢        | ⊢         | ⊬              |
|   | 44       | 1            | L       | 4   | _    | <u> </u>    | Ļ  | 1            | 4    | _        | $\vdash$      | Ļ                                      | 4           | <u> </u> | 94       | ╁—       | $\vdash$ | ┡        | <b>├</b> -                                       | ├-   | -        | -  | <b> </b> | -        | ]:  | -         | 144        | ┼-       | ╁        | +               | ╁            | +-       | ╁             | $\vdash$ | ├-        | -              |
| <u></u>   | 45       | 1-           | Ļ       | 4   | _    | L           | 1  | 4            | 4    | _        | <u> </u>      | +                                      | 4           | <b>—</b> | 95       | +-       | ╀        | ┼-       | ⊢  | ├-   | ┝        | ⊢  | -        | ├-       | ┨ : | -         | 145        | ╁╌       | ╁        | ╁╌              | +            | ⊢        | $\vdash$      | +        | ╁         | ╁              |
|   | 46       | 1            | +       | 4   | _    | ļ           | +- | +            | 4    | لـــ     | $\vdash$      | +-                                     | 4           | $\vdash$ | 96       | ┼-       | ╀        | ⊢        | ╁  | $\vdash$   | -        | -  | $\vdash$ | +-       | ł   | $\vdash$  | 147        | ╁        | ╁        | ╁╌              | +            | $\vdash$ | $\vdash$      | $\vdash$ | +         | <del>  -</del> |
| <b> </b>  | 47       | ╀            | ╀       | +   | _    | $\vdash$    | ╀  | +            | 4    | _        | $\vdash$      | ╁                                      | ┨           | -        | 97<br>98 | ╁╴       | ┝        | ╁        | ╁  | $\vdash$   | ╁╴       | ⊢  | $\vdash$ | ╁        | 1   | <u> </u>  | 148        | ╁        | ┪        | ╁╌              | <del> </del> | H        | †~            | $t^{-}$  | ┢         | 一              |
| -   | 48       | ╁            | ╁       | +   | _    | ⊢           | ╁  | +            | -    | _        | $\vdash$      | ╁                                      | 4           | $\vdash$ | 99       | +-       | ╁        | ╁        | H  | $\vdash$   | 1        | ┝  | -        | ┢        | 1   | <u> </u>  | 149        | T        | 1        | T               | $\vdash$     | Τ        | T             | $\vdash$ | 1         | $\vdash$       |
| -   | 50       | ╁            | ╁       | +   | ÷    | $\vdash$    | ╁  | +            | ┥    | т        | $\vdash$      | +                                      | ١.          | :-       | 100      | +        | †-       | 十        | t  | <del>                                     </del> | T        | <del>                                     </del> | t        | T        | 1   |           | 150        |          | T        | 1               | 1            | Τ        | Τ             | 1        | Г         | $\vdash$       |
|   | 130      | _            | 1       | _   |      | Щ           | 1  | _            | لـــ |          | _             | ــــــــــــــــــــــــــــــــــــــ | ٠,          | $\Box$   | 1 ,00    | _        | _        | -        |  |  |          | _  | -        |          | ٠.  |           |            | _        | •        | _               | _            | •        | •             | _        | -         | -              |